Steel Corporation and Railroads Disagree as to Where the Blame Should Rest.

TOO MUCH CARBON IN THEM

Which Makes Them Brittle-Softer Rails Suggested, but They Wear . Out Much Sooner.

The question whether the United States to discussion, says the Railway Age Gacette. Complaints by railway managers of the case. On January 22, testifying before the Stanley committee, Mr. Farrell,

The carbon is so high that we get the brittle rail. It is true that many of these hard rails never break, but the liability to breakage is much greater than in the old time softer rails, and the influence of facture, such as seams, pipes and segregation, is much greater. In many respects the steel is more doubtful, more dangerous and more treacherous. It is unquestionably, in my-judgment, an unsafe grade of steel in view of the severe conditions of

This is the official view of the Steel Corporation. When the Railway Age Gazette, in an editorial in its issue of December 15. entitled "What Are the Rail-Going to Do About Rails?" criticised the rails now in service and being put in service, its statements were challenged by railway men and persons connected with the steel companies. No one ems to challenge them now.

While there is agreement that the rails being made are unsatisfactory from the standpoint of safety, there is disagree-ment as to why this is so. Mr. Farrell puts all the blame on the roads. He says that, commencing about 1890, they began to ask for higher carbon in rails in order to get greater wear, and that the rail makers, unwisely and many times under protest, made the quality of steel demanded. "Gradually the specifications called for still higher carbon, until to-day, I believe, the steel is within the danger zone of brittleness." The steel manufacturers, he added, are now druggists; they are dealing with prescriptions from the railway." The implication of all of which is that the steel companies are making rails just as the railways ask them to. Now, the fact is that over three years

ago, after much study and deliberation. e American Railway Engineering and Maintenance of Way Association drew up a specification according to which it believed good rails could be made, and submitted it to the representatives of the steel mills; and that the steel companies rejected are being made now differ in essential

having rails made according to specifica- of its mills that it chose. are the Pennsylvania Railroad its acquisition of railway lin tions in general use provided for .45 to .55 than anywhere else on earth; and the

carbon. In 1904 the manufacturers vol- Commissioner of Corporations, Herbert untarily adopted a specification which raised the carbon content to .50 to .60. bad rails; and it was after protests from the railways that the mills in 1907 adopted the drop test and restored the carbon content to what it was prior to 1904 and the content to what it was prior to

fications one of the Steel Corporation's Steel Corporation at least is making own largest mills makes rails which break safe rails would seem to be no longer open twice as often in proportion as do those made by another of its largest mills. If, on the contrary, rail failures are chiefly regarding rail breakages recently have due to excessively fast rolling or other en widespread. This is the railway side defects of mill practice, the fact that the record made by the rails from one of these mills is very much better than that made president of the United States Steel Cor- by those from the other is easily under-

Mr. Farrell implied that one of the remedies for the situation is for the railways to buy heavier rails. But as the statistics we published in an editorial in our issue of January 12 show, breakages the unavoidable contingencies of manu- of 85, 90 and 100 pound rails are more numerous in proportion than are breakages of 75 and 85 pound rails. He also suggested that the carbon content be reduced, thereby producing a softer rail. He said that a softer rail would not break so easily, but conceded that of course it will wear out faster. He might have added that track laid with soft rails very much sooner becomes irregular, causing rough riding of trains, which necessitates

> Mr. Farrell also said that to get satisfactory rails the roads probably must pay more than \$28 at on. He unquestionably was right in contending that safety of transportation is more important than cheap transportation, and if, as he asserted, it is necessary for the railways to pay more to get safer rails they ought to do so. Before we conclude that the railways should pay more, however, a glance back into history is desirable. The average price of steel rails in the United States in the ten years from 1890 to 1899 inclusive was \$26.02. In 1894 and 1895 it was \$24, in 1896 it was \$28, in 1897 it was \$18.75, in 1898 it was \$17.62, and in 1901, the year the Steel Corporation is to steel corporation was formed, it was \$27.03. In those years the mills gave the railways a public service and should be received and in rendering a public service and should be received and in rendering a public service and should be received and in rendering a public service and should be received. Mr. Farrell also said that to get satis-

Soon after the Steel Corporation formed the price was fixed at \$28, and it it. The specifications under which rails has stood there ever since, while the prices of other steel and iron products particulars from those according to which have fluctuated more or less in accordance railway managers indicated to the steel with supply and demand. The railways companies they thought they should be were told that it was necessary to charge were told that it was necessary to charge
\$28 to make good rails, the implication
being that they would get good rails for
this price. A little later the five year
guarantee was withdrawn. At about
the same time the Steel Corporation
put a provision in its contracts that orders
for rails might be filled by it from any
of its mills that it chose. Meantime the
railways and public were being assured
that the union of numerous mills by the
United States Steel Corporation, and
it the financial affairs of many railways
the railways can bring to
steel companies were making poor rails
the railways began insisting on improvements in specifications and mill
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make the steel have received in ten years
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the corporation's stockand bond holders.
In 1910 an average of \$200,a man was mainthe intention's stockand bond holders.
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to to to the railways began insisting on inthe railways fail for it wa made; and at this very time railway en- \$28 to make good rails, the implication gineers are pressing for changes in the being that they would get good rails for specifications—with what results remains this price. A little later the five year As to Mr Farrell's assertion that the the same time the Steel Corporation rouble is due to excessive carbon, only put a provision in its contracts that orders three or four large railway systems are for rails might be filled by it from any tions in which the carbon varies to any railways and public were being assured considerable extent from that in the that the union of numerous mills by the steel companies own specification. Among United States Steel Corporation, and and the Harriman lines. The Harriman ship lines, ore mine leases, &c., would lines' specification calls for .07 more car- effect economies in production that would bon than do those generally used, and benefit the public much more than did the Harriman lines are suffering a smaller the competitive conditions existing preproportion of rail breakages, according to viously in the steel business. Subsethe statistics on the subject, than most quently also Mr. Carnegie and Mr. of the railways of the country Prior to Schwab, testifying before committees of the organization of the United States Congress, have said that steel rails can Steel Corporation in 1901 the specifica- be made cheaper in the United States

Knox Smith, in a recent report says that the corporation's "book cost" of making

the drop test and restored the carbon content to what it was prior to 1904 and has been since.

The investigations and experience of railway engineers have led most of them to believe that the defects of rails which result in breakages are due in much smaller degree to shortcomings of the specifications and chemical composition than to bad mill practices. One road which recently made a careful analysis of over 500 rail failures found that 95 per cent. of them would have been prevented by good practice in manufacture. If the trouble is with the specifications it is inexplicable that under the same specifications one of the Steel Corporation's

Corporation?

The only way to determine whether it is necessary for the Steel Corporation to get more than, or even as much as, \$28 a ton for safer rails is for it to make them, and then open its books and show how much the making of them actually costs. The investigation should not be be made by the Commissioner of Corporations or committees of Congress, who tions or commissioner of Corpora-tions or commistees of Congress, who know nothing about railmaking and in whose eyes it is easy to throw dust, but by experts. And it should include an inquiry into all the expenses involved. For example, the Steel Corporation owns in Minnesota two short ore carrying For example, the Steel Corporation owns in Minnesota two short ore carrying railways, the Duluth and Iron Range, 168 miles long, and the Duluth, Missabe and Northern, 293 miles long. In the fiscal year 1910 the gross operating revenues per mile of the Duluth and Iron Range were \$56,686; operating expenses, \$20,720; net operating revenues, \$30,966; operating ratio, only 36.55 per cent. The gross operating revenues of the Duluth, Missabe and Northern per mile were \$48,064; operating expenses, \$14,402; net earnings, \$33,622; operating ratio, 29,96 per cent.

In the same year the figures for the Pennsylvania Railroad in the east and the Union Pacific in the west—two of the greatest and most prosperous railways

greatest and most prosperous railways in the United States—were as follows: frequent rail renewals. How much breakages would be reduced by the use of softer rails is uncertain, but that the softer rails would have to be renewed much faster, thereby increasing the operating expenses of the railways—and the earnings of the steel companies—is certain.

In the United States—were as follows: Pennsylvania, gross operating revenues, \$27,582; net operating ratio, 68.70 per cent.; Union Pacific, gross operating revenues per mile, \$15,594; operating expenses, \$7,658; operating ratio, 68.90 per cent. The figures for the railways of the United States as a whole were: Gross operating revenues per mile, \$1,607; Gross operating revenues per mile, \$11,607, operating expenses, \$7,691; net operating revenue, \$3,916; operating ratio, 66.3 per

conceded, in effect, that the Steel Corporation was formed, it was \$27.03. In those years the mills gave the railways a guarantee that rails would last at least five years. The roads under the competitive conditions in the steel business then existing could also buy from any mill they liked.

Soon after the Steel Corporation was some after the Steel Corporation was the many than the railways are from using them than the railways are from using them. Cartainly, its railways are from them than the railways are from using them. them than the railways are from using them. Certainly its railways are not entitled to get any larger profits from carrying the ore going into rails than the railways are from using them. The Steel Corporation, by the admission of its president, has not been and is not now performing its public duty of making safe rails. His attempts to put the blame on the railways fail, for it was because the steel companies were making noor rails steel companies. bear has as yet been inadequate to secure.

Anyway, why should it be necessary Anyway, why should it be necessary for the railways to tell the steel companies how to make good rails, any more than it should be necessary for shippers to tell the railways how to furnish good transportation. By the attitude they have assumed and are maintaining on the rail question the steel companies and have assumed and are maintaining on the rail question the steel companies, and especially the Steel Corporation, are play-ing directly into the hands of those who demand the complete destruction of practical monopoly in the steel business and of the close financial relations that exist etween the steel companies and large

Largest Combination of Capital and Largest Employer of La-. bor in World.

IT IS NOT 11 YEARS OLD YET

Figures Best Show Its Growth-Has 125,000 Stockholders at Least -Good to Its Men.

The United States Steel Corporation, the largest combination of capital in the world and the largest employer of labor in the world operating under the form of a privately owned corporation, is not yet 11 years old. Its tenth birthday was on March 31, 1911. A few statistics tell the story of its life better than almost any-

The extent to which it has grown in the eleven years of its operation is shown perhaps most clearly in the figures which give the additions made to its assets from April 1, 1901, to the end of the year 1910. That addition, after allowances for depreciation and sinking funds, \$335,170,521. For depreciation and sinking fund purposes during the same period was set aside \$531,639,000, while the addition to the value of mineral holdings through acquisitions, developments and of the ore properties owned by the Tennessee Coal and Iron Company and the Hill ore properties, operated under lease.

and had got from that net earnings of were more than net earnings by \$112,000 .corporation's surplus available for divi- gave its 225,000 men a substantial raise. dends on the common stock has kept up to an average of about 9 per cent. a year. are nowhere so close and so harmonious The balance after charges and before as in the Steel Corporation. That comthe deduction of dividends has held an pany has without demand or stimulation average of 20.5 per cent. Capacity of from labor spent no end of time and the corporation's plants has been in- money in devising and putting into opercreased by about 80 per cent. without ation schemes for old age pensions, volincreasing fixed charges to any ap- untary accident relief, stock subscription preciable extent. Some 85,000,000 tons plans, elimination of Sunday work so far of finished and semi-finished steel have as possible, reduced working hours and been turned out and sold by the corpora-

tion within that period. despite a recent serious downward tenin earnings of about \$50,000,000 a year. of policy rather than of wages. The United in spite of lower prices through greater operating efficiency and production on a shop, and still it is successful. larger scale. At the same time operating get on with labor unions or with nonexpenses have greatly increased through union men. People who have labor higher wages paid to all classes of employ-

of the corporation shows how liberal a paymaster our largest industrial company has been. The workingmen who each man produced 52 tons and in 1908 each man produced 52 tons and in 1908 ness, of the Steel Corporation's stock.
38 tons, which shows that the fact that the holders' list more to Judge Gary's policy as tons, which shows that the fact that the corporation has been producing a larger percentage of highly finished steel "for sale" in comparison to total output than it was accomplishing at the outset of its career is to a great extent responsible for the failure of the average tonnages a man to go up. In the manufacturing of finished steel there has been an increase in that tonnage a man. In 1902 the corporation's stockholders great budge Gary's policy of publicity and openness of dealing than to the heavy capitalization of the company. Steel stockholders get more detailed information about their company construction, which have averaged close to \$50,000,000 will be spent for new construction this year, a large amount of which will be used at Gary. This year should wind up, for several to the heavy capitalization of the company construction, which have averaged close to \$50,000,000 and up, for several than do proprietors of any other great to \$50,000,000 a year since 1904.

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65 tons was established and in following years that figure gained until it reached high mark of 72 tons in 1906. In 1910 owever, it went back to 63 tons, supposedly for special reasons of too technical a nature to be gone into here.

Ore produced a man in the mines was

592 tons in 1902. The increase in that department has been steady to 786 tons in 1910. The coal and coke department has reported a similar gain in efficiency, showing 1,193 tons a man for 1902, 1,554 tons in 1909 and 1,490 in 1910. The average wage increases a ton of steel turned out has not been directly compatible with the movement in production tonnage a man a year. In 1902 the wages on a ton of steel sold were \$14.70 and in 1903 \$16.40. The low price in that particular was in 1905, when labor on a ton of steel cost \$13.80, and the high price was in 1907, with \$19.40. In 1910 the average was around \$16.30. Competent statisticians who have gone into the whole subject of the actual cost of finished products say that in the case of the Steel Corporation the savings effected from concentration of operations, improved methods and machinery and general scientific economies has been offet to a great extent by the increase in vages. Further into detail than that it is

almost impossible to go. The corporation's policy in regard to vages and earnings has been notably promoted by Chairman Gary, who believes just as warmly in reasonable wages as he does in reasonable prices. Had wages in 1910 been the same as they were in 1902 the corin its treasury at the end of the fiscal period. On the 1910 wage basis a cut of per cent. in remuneration to all classes employees would save more than explorations was \$350,000,000 exclusive \$8,000,000 a year. But the corporation does not cut wages, because Judge Gary holds that it is wise to maintain at once a high standard of labor and to preserve Up to the end of 1910 the corporation the best possible organization. After had done \$5,813,243,724 worth of business the panic of 1907 there was a general movement toward lower wages among \$1,202,214,515. Wages paid to employees the so-called independent steel producing companies. But the Steel Corporation 000. Total dividends and interest paid refused to follow that lead and held to its The old wage schedules. About a year ago it

Relations between capital and labor the celebrated bonus system. The corporation has had only one strike which The corporation's business has gone on amounted to anything, and that was when the organization was very new. Disdency in steel prices. As compared with putes over labor matters have been of 1902 there has been a decrease of some minor gravity and have been settled \$4.50 a ton in eight representative classes diplomatically and quickly by the officers of steel products. On the basis of, say, of the company. One strike, that of the 1910 that loss in prices means a reduction tin plate workers, was over a question Earnings have been maintained generally States Steel Corporation is the one great monument to free labor. It is not a closed troubles study chiefly its methods of ees.

The fact that employees have been people think that Judge Gary timest paid a total greater than the net earnings is the secret of the corporation's succession.

essful treating with labor. Recently the Steel Corporation tried to find out exactly how many stockmake the steel have received in ten years holders it had. After much difficult the case, however. In 1910 the average 15 per cent. of the total stock is held was 49 tons, the same as in 1902. In 1905 abroad. Most critics ascribe the great-

tion of \$60,000,000, was provided from current earnings and surplus. The increase in the company's capacity came almost entirely from the great expenditures for new construction. To date there has been spent on the great Gary plant at Gary, Ind., some \$70,000,000.

There are many ways of figuring the real assets of the Steel Corporation. Apparently the best one is that used by W. E. Hazen in his invaluable little book called "A Decade in United States Steel." His figures show an undivided surplus as of the end of 1910 of \$164,143,157, a balance after deduction of original surplus of after deduction of original surplus of \$139,143,157, and a final balance after addition of appropriations from surplus to cover capital expended and construction of \$335,170,521. That sum is equivalent to \$66 a share on the common stock outstanding.

In less than ten years the corporation

to see a share on the common stock outstanding.

In less than ten years the corporation made an allowance for depreciation of \$531,639,000, or more than 37 per cent, of the present property valuation of \$1,430,-000,000. Steel plant and blast furnace deterioration are charged off at about 10 per cent, a year. With a fifty year ore and fuel supply stored in the ground depreciation charges on mineral properties are naturally very small. The company's iron ore tonnage is now larger by some 300,000,000 or 400,000,000 tons than it was at the time the company started despite the use in ten years of some 200,000,000 tons of material.

Steel prices have declined of late years.

000,000 tons of material.

Steel prices have declined of late years.

Possible tariff changes and overproduction are the two important adverse things which may hurt the steel business of the next decade by lowering prices still further. But the Steel Corporation has built up within a very few years one of the most extraordinary export trades in all

most extraordinary export trades in all commerce. Between 10 and 15 per cent. of its products go abroad. The margin of profit on exported goods is not so high as on goods manufactured for domestic consumption, however.

The Steel Corporation owns over 3,000 miles of railways. During the navigation season it receives its heaviest earnings from its transportation lines, accounting for the larger earnings in the second and third as compared with the first and fourth quarters of the year.

In his book mentioned above Mr. Hazen says of railroads and the steel business and of some features of the future outlook for the Steel Corporation:

for the Steel Corporation:
"That the steel companies for the last several years have been laboring under the belief that the railroads would continue to show a heavy increase in con-sumption is evident from the prepara-tions made for increasing the output tions made for increasing the output of steel rails. Four or five years ago the steel mills of the country had a rail capacity of between 3,500,000 and 4,000,000 tons a year. To-day the rail capacity of the country is slightly in excess of 6,000,000 tons. In no year have the country s railroads called for more than 4,000,000 tons. It would seem that with a capacity of 6,000,000 tons, at least one-third of the rail mills of the country stand to remain idle until the railroads begin to increase their consumption above past requirements. Renewals alone should guarantee the rail mills a production averaging more than 3,000,000 tons a year, as there are in use in this country to-day, according to recent estimates, between according to recent estimates, 45,000,000 and 50,000,000 tons.

"U. S. Steel was justly criticised at time of organization for the absorption time of organization for the absorption of certain subsidiary companies at prices far beyond intrinsic valuation. Certain interests were in doubt as to the ability of the corporation to maintain permanently even the dividend of 7 per cent. on the preferred stock. The policy of the management has been to eliminate the water that was injected into the property at organization. nas been to eliminate the water that was injected into the property at organization. Dividends of 4 per cent. a year on the common for a short period after organization were not justified, and warranted criticism. After 1904 the Steel Corporation, with much larger earnings, could have resumed dividends at the old tate, but refrained from doing so, as the programme was for expenditures from

rate, but refrained from doing so, as the programme was for expenditures from earnings for new construction.

"In 1809 the management concluded that sufficient money had gone back into the property to assure much larger earnings and therefore a better return on the common stock. At the time the corporation placed the common stock on a 5 per cent, basis the claim was made that with expenditures of \$50,000,000 a year for new construction such a high rate could not be continued. The explanation was that, if necessary, bonds would be issued in depressed periods to cover exwas that, if necessary, bonds would be issued in depressed periods to cover ex-penditures for new construction, but with a much larger earning power it was believed few new securities would poses. The capacity of the Steel Corpora-tion has reached such a high level as to warrant a less aggressive campaign for new construction. Chairman Gary says that close to \$50,000,000 will be spent for construction pur

THE STEEL INDUSTRY

Now Attacked From Seven

United States Steel Corporation

SUIT TO DISSOLVE TRUST

No Decision Likely Within Year-The Steel Business No Longer Prosperity's Barometer.

This is a year of strife in the steel and iron industry. There is strife between the United States Steel Corporation and the independent companies in getting business and in cutting prices; strife be tween the big company and several orrates; strife before the Interstate Cciamerce Commission on the question of freight rates on ore and iron; strife on tariff questions, on Congressional investigations and labor troubles. Not since the organization of the United States Steel Corporation has there been such a strenuous time as at present or in pros The United States Steel Corporation

is attacked from seven different angles, Organized labor urges investigation of abor conditions in all the company's plants, wants to know if it is proper for the company to employ convict labor in the Birmingham district, to work men more than twelve hours a day in someinstances in other mills and continue to turn the cold shoulder to labor organizations. A Congressional committee is anxious to inquire into every phase of the company's business, with the obvious intention of making its practices seem unfair. The Interstate Commerce Commision wants to know whether or not the rates on ore, carried by the company's railroads are or are not excessive. The House of Representatives by a big majority has passed a bill reducing the tariff on manufactured steel products. The Finance Committee of the United States Senate is holding hearings on the steel tariff bill passed by the House. The Department of Justice s prosecuting a suit against the company for alleged violation of the Sherman act. Criminal prosecutions under the Sherman law are threatened against some of its

In normal times any one of these seven proceedings would be considered serious nough to absorb most of the time of the company's principal officers. But normal times have not prevailed in recent years.

There has been no reply from the company in regard to the employment of convict labor in the works of the Tennesse Coal and Iron Company. It has been shown, however, that the employment of convict labor was a custom of that company and others in the Birmingham district before the Tennessee Coal and Iron Company was acquired by the Steel Corporation, that the number of convicts has been reduced to 300, which is of course an absolutely insignificant proportion of the total number of employees of the company, and that the determination is as soon as current contracts expire.

Otherwise the company has up to the present presented an aggressive defence against the accusations of labor union eaders who have endeavored long though vainly to organize its employees. This defence is based on figures showing the amounts disbursed to employees in bonuses, the details of the company's profit sharing plan, the cooperation of employees in ownership of the stock of the company, and so on. On the whole nothing h been accomplished against the company up to the present in the labor agitation. Its employees remain the best witnesses against the accusations of labor leaders endeavoring to arouse them.

The Stanley committee, specially appointed by the House of Representatives, has been holding intermittent sessions for the greater part of a year and shows no sign of ending its inquiry. Up to the present it has brought out little that was not known before to everybody who had examined manuals of corporations, the published reports of the company and other documentary evidence accessible to all. In the middle of the committee's investigation the United States Attorney-General filed a suit for the dissolution of the company, and subsequently Herbert Knoz-Smith, Commissioner of Corporations, submitted a report regarding the company's organization, earning power and

The company made an aggressive defence to the Government's suit for its dissolution, insisting that it had acted in development rather than in restraint of trade. It declared that its power had been used in many instances to the benefit rather than to the injury of its competitors, showed that its percentage of the country's output of steel and iron products had decreased between the time of its organization and the present and maintained that because of its organization the country had been enriched in export trade. The issue having been joined. speedy trial of the case is expected, but no one expects a decision by the United

States Supreme Court within a year. Just before the suit for dissolution was brought the company served notice of cancellation of the lease of the Great Northern ore lands. It was on account of its ore holdings that the Commissioner of Corporations in his report considered the company a monopoly. The antagonistic force of that report was greatly modified by the abrogation of the lease. The remainder of the report contained little of a hostile character.

Opinions differ as to the effect of the tariff bill as passed by the House of Representatives. Charles M. Schwab, formerly president of the United States Steel Corporation and now president of the Bethlehem Steel Corporation, has said on the witness stand that he would "cash in" his holdings of Bethlehem on the enactment of the bill. Andrew Carnegie has testified that the proposed reductions in duties would no harm the industry. From the United States Steel Corporation nothing has been heard either in approval or disapproval of the bill.

All of these controversies in the steel trade had long been expected. The unexpected this year has been the intensity of the strife between the United States Steel Corporation and the independent companies. An open market was declared ast year and competition for business has since then been keen and aggressive. the big company and many of the little ones taking business at or below cost-

The steel industry has been considered the most accurate barometer of the prosperity of the country. Under the present unprecedented conditions it is doubtful if it should be so regarded.

## FIGHTING ALCOHOLISM.

An Industrial Problem in Which Europe Is Ahead of Us.

"We always wonder what is going to happen after a holiday," said an officer of a big industrial plant. "Men drink too much on their free day and come back to their work with unsteady hands and nerves. We are doing what we can to put something in the place of the corner saloon and are making some headway."

In Europe, experts say, there has been greater effort for the elimination of the problem of alcohol than in this country. William H. Tolman, director of the Museum of Safety, in a recently published pamphlet on European methods calls

attention to them. "The German Trade Association of private railways, recognizing that many of the accidents in their industry are due to the excessive use of alcohol, issued a special circular to each company," "They recommend the establishment of rooms where the personnel can rest day and night; the provision of low priced and nourishing food, especially for those employees who cannot take their meals at home; reading rooms and canteens, the latter to have only nonalcoholic drinks; special instruction as to the dangers from the abuse of alcohol. and the location of a doctor at the principal stations; penalties for intoxication while on duty and vigilance to prevent its use; a working day not too long; insistence on the part of all superintendents and overseers that each man under them begins his work in a condition of sobriety; the provision of pure and fresh drinking water in all of the rooms where the men rest or stay. It is not enough to provide refreshment places for the personnel, but the utmost vigilance must be exercised to see that the low prices are maintained and that the utensils and rooms are kept scrupulously clean. In taking on new workmen only those who are sober should be engaged. Finally they appeal to the men to help themselves and their fellows by observing the rules and regulations which are laid down for the safety

"The liability to accidents and the impairment of the health of the workers have always been recognized by the German Imperial Insurance Office. This view is confirmed by its medical staff and

experts.

of the public and the protection of the

Rules and regulations for the expulsion of workmen under the influence of liquor from factories and workrooms; homes

and women workers in regard to the be combated. dangers of alcohol; that good drinking water should be provided in mills and factories and a more careful surveillance of the beverages supplied in the convaluation of the beverages supplied in the convaluation of the provided in the convaluation of the community do not appreciate the necessity for rest and recreation. Accordingly, Koerting & Mathiesen of Leipsic have built a vacation home in the mountains for the

the workers stopped to eat their first meal and not at any other time.

In the annual report of the same association for 1909 the members were advised of the organization of a Berlin society for the furnishing of warm breakfasts and milk, emphasizing the department for the supply of milk stations in factories. For two and a half cents a sealed bottle of 4-10 of a litre of milk is sold. Here again the trade association commends the establishment of these factory milk stations as means of lessening the consumption of alcohol, increasing

factory milk stations as means of lessening the consumption of alcohol, increasing the capacity for work and diminishing the number of accidents.

Based on a long series of studies, Dr. Kürz of Heidelberg, on the different days of the week when assaults occurred, observes that, from what he calls the "terrible Sunday," there is a decreasing number of assaults, while on Friday and Saturday the Sunday increase can be predicted.

predicted.
Of 1.143 assaults, 502 occurred on Sunday.
126 on the other holidays, 182 on Monday.
95 on Tuesday, 67 on Wednesday, 62 on
Thursday, 82 on Friday, 94 on Saturday.
Out of 1.115 assaults coming under his
observation, 742 occurred in the saloon. 86 at home, 98 in the street, 87 at work and 102 in places unknown. From this it will be seen that two-thirds of these assaults

lescents homes."

The following year the North German Iron and Steel Trade Association reported to the Imperial Office that they were thoroughly in accord with its recommendations and were greatly impressed with the importance of the whole subject. They have now provided restaurants and buffets for the provision of non-alcoholic drinks at a low cost, have put up posters regarding the abuse of alcohol and have given permission to drink beer only when the workers stopped to eat their first meal and not at any other time. sum from the firm while the head of the house is on his vacation. If there should be room at the home the members of the family can be admitted on the payment of a small sum. Any convalescent workman having been with the company one year can have the advantages of the home for a period not to exceed four weeks. For this side of their mutuality work the firm set aside \$125,000 for the building and maintenance of the holiday house. In Waldenburg, in Schlesia, the Society for Improving the Condition of the Working Classes also recognized the efficacy of the small garden as a saloon substitute. For the 1,408 small gardens in 1910 some

of the small garden as a saloon substitute. For the 1,409 small gardens in 1910 some of the land was given by the Minister of Agriculture, the Society of Mines and Factories, and other tracts rented from private individuals. There is no rental charge to the workmen for these allotment gardens. Seed and shrubs are also given by the society, but on the understanding that the land shall be used for the raising of vegetables, flowers, berries and fruit. The raising of chickens, rabbits, goats and bees is approved. The small tracts come under a Garden Commission of twenty-two members, who report that of the 1,409 little plots 972 were very good, 231 good, 120 fair, 57 passable and 29 no good.

In a four page leaflet issued by the

and 29 no good.

In a four page leaflet issued by the German Imperial Health Department the conclusion states that there is no doubt that alcohol is approved by the doctors as very efficacious in the treatment of certain diseases. One should not go far as to say that be seen that two-thirds of these assaults happened in the saloons, and in the cases where the place was unknown, Dr. Kurz thinks it probable to assume that they occurred in a drinking place. Likewise he holds the saloon responsible for the origin of many street assaults.

The National League Against Alcohol.

for the cure of drunkards, and the distribution of easily comprehended pamphlets. These and many other efforts were made to counteract the evils of intemperance. But in 1905 the Imperial office felt that a much more aggressive campaign should be undertaken. It fully realized that the results would come slowly and that the expense of doing this in the right way should be no excuse for not pushing the work. Accordingly it sent a circular letter to every industrialist in the empire, through the various trialist in the empire, through the various trade associations, in which it urged the teaching and instruction of their youth and women workers in regard to the

only safe course.

For children up to 14 and 16 the use of alcohol is downright dangerous, and very bad for mothers and those who nurse children. Alcohol acts like a magic potion; it takes away the senses and has the effect of a poison. Entire abstinence is best for healthy living and the conduct of trade and business. SUIT OVER POT OF GOLD.

Found by Father, but Daughter Who Was Present Claims It. Westminster correspondence Baltimore Sun.

A suit between Mrs. Rosella Hare and her father, John L. Calp, over a pot of gold found on Mr. Calp's farm, has been on trial several days in the Circuit Court for Carroll County, at Westminster, While with his grandson, Clarence Harmon, digging up a stump on his farm, which is on the line of Baltimore and Carroll counties, Mr. Calp struck a glass jar with \$4,500 in gold coins. Mrs. Hare, who was picking blackberries near by, assisted in counting the gold and carrying it to Mr. Calp's house.

The gold was said to be the property of

one Joseph Hare, who owned the farm prior to its purchase by Mr. Calp. It was hown that shortly before the death Mr. Hare, in 1891, he had disposed of two mortgages and had withdrawn from the Glen Rock Bank, in Pennsylvania, a sum losely approximating \$4,500 in gold and

closely approximating \$4,500 in gold and for which his administrators had made c. fruitless search in all the banks near by in Pennsylvania and Maryland. It was also understood that Mr. Hare had said prior to his death that he had secreted the money where no one would ever find it.

The administrators of Mr. Hare instituted proceedings in the Orphans Court for Baltimore county against Mr. Calp, requiring him to turn over the \$4,500 to them. At the same time they entered suit in equity in the county court to have a receiver appointed. After some litigation this case was settled by the payment of \$1,200 to the Hare estate. A full release was executed to Mr. Calp by the administrators.

Mrs. Hare, who is in no way releated to

was executed to Mr. Calp by the administrators.

Mrs. Hare, who is in no way related to the late Joseph Hare, brought suit in Carroll county against her father, claiming the entire sum of money found as hers, because she and her son had been present and assisted in the finding. This case is resisted by Mr. Calp on the ground that he alone found the money, that it was on his farm and that his settlement with the Hare, estate secured to him whatever title

ID you ever know a really successful manufacturer who bought cheap unreliable belting. We knew of one but he bought it is

belting. We knew of one but he bought it to make up into pump suckers, and ran his machines with the best belting money could buy.

It don't pay to use anything but the best, bought from a reliable manufacturer who thinks more of his reputation than immediate profit. The Chas. A. Schleren Company has followed this policy for the last 40 years with the result that they have not only built up one of the largest belting businesses in the world but are in closer touch with their cus-If you're a customer of the Chas. A. Schleren Company you'll understand fully what we mean when we say we stand back of every inch of belting that goes adjusted to your satisfaction and therefore to ours.

The Chas. A. Schleren Company has always done business on liberal lines. No expense is spared in making our leather beltings.

We buy the best hides obtainable, grade them more carefully than you would think necessary, tan them by the only right method, no matter what time is required or how much unfinished stock we are compelled to keep on hand in order to produce perfect

leather. There are second, third and other low grades of hides that finish up into ap-parently as good beiting as the Schleren kind; time detects cheap methods but only after the beiting has been used and paid for. There is no refunding or replacing and the buyer is compelled to accept filmsy excuses for what they're worth

Schieren's beitings are all guaranteed and the Company is willing and able to replace er repair any beiting that proves itself below A1 quality. We have inaugurated a new help, to belt users, that protects the buyer and seller alike and insures your shop or facagainst loss of time through broken belts.

Our "Service Department" will send an expert belt man to any shop using Schleren's belting and teach, the one you wish to make responsible for the upkeep of your belting. wit should be looked after and kept in repair, for it's only by being able to detect wear in its earliest stages and fixing it then that shows the greatest saving. This man of ours will give your entire beiting a looking over and make any suggestions that would improve its service and lengthen its life irrespective of whose make of beiting it is. One Railway Shop saved \$15,000.00 a year by paying attention to details of this kind Row much do you think you could save, comparing your plant with the average Railway

This is an age of reducing wasteful losses of all kinds and getting the most out of your plant, and, no part of your equipment is as important in this as your beiting. The perfection, or imperfection, of your belts determines the amount of H. P. you get from your prime mover, the number of hours each man spends on a machine days lost each year through broken and disabled beits. Belting is the important thing. It should be first class to start with and kept first class as long as it's on the job. An auto matic machine can increase your output in certain ways, a fast workman can do more than a slow one, a machine running at its safe maximum speed will earn many an extra dollar for you and help reduce your overhead expense, a good engine, good bo mos, &c., &c., good engineer, oliers, firemen and fuel all go to make up the ideal plant, but every part of your whole outfit depends on belting to make good. So you see belting is the most important part of your business and anything you can do (and you can do a whole lot) to reduce wear and breakage affects your business as a whole.

We hope we have made our point clear. We hope you will take us at our word, and call our expert your way, or if you would prefer to send your man to us we will let him into our factory, where he can see belting being manufactured and have our superintendent tell him anything he wishes to know. In our booklet "There's Money in This for You, the superintendent of our factory gives, from his many years of experience, enough information about helts to cover the "care of belting" in general, but every now and then we come across a case where rules do not apply and separate information is needed We will gladly let you know anything you wish to ask, if it's about belts.

The Chas. A. Schieren Company Service Department

Cliff and Ferry Streets

New York